

Claims

1. An eyeglass lens processing apparatus comprising:
a hole forming portion that includes a hole forming tool
which forms a hole for attaching a rimless frame in an eyeglass
lens; and
a breakage detector that detects whether or not the hole
forming tool is broken.
2. The eyeglass lens processing apparatus according to
claim 1, wherein the breakage detector includes:
a contact;
a sensor that detects movement of the contact; and
a movement mechanism portion that moves the hole forming
tool relatively to the contact so that the contact and a tip
of the hole forming tool come into contact.
3. The eyeglass lens processing apparatus according to
claim 2, wherein the sensor is disposed outside a processing
chamber in which the hole forming tool is disposed.
4. The eyeglass lens processing apparatus according to
claim 1, wherein the breakage detector includes a sensor that
detects whether or not a tip of the hole forming tool exists
via non-contact.
5. The eyeglass lens processing apparatus according to
claim 4, wherein the sensor is disposed outside a processing
chamber in which the hole forming tool is disposed.

6. The eyeglass lens processing apparatus according to claim 1, further comprising:

a periphery processing portion that includes a periphery processing tool which grinds or cuts a periphery of the lens; and

a controller that operates in order the periphery processing portion and the hole forming portion with respect to the lens, operates the breakage detector before or after every forming of the hole, and, in the event that breakage of the hole forming tool is detected, prohibits subsequent operation of the periphery processing portion and the hole forming portion.

7. An eyeglass lens processing apparatus according to claim 6, further comprising a lens conveying portion that conveys the lens between the periphery processing portion and the hole forming portion,

wherein when breakage of the hole forming tool is detected, the controller prohibits the subsequent operation of the lens conveying portion.

8. An eyeglass lens processing apparatus according to claim 6, further comprising an alarm,

wherein when the breakage of the hole forming tool is detected, the controller causes the alarm to issue warning to that effect.